

Guide Specifications for Xerxes Underground Petroleum Storage Tanks

Short form:

The contractor shall provide a double-wall or triple-wall fiberglass reinforced plastic (FRP) UL-listed underground storage tank as shown on the drawings. The tank size, fittings and accessories shall be as shown on the drawings. The fiberglass tank shall be manufactured by Xerxes Corporation.

The tank shall be tested and installed according to the Xerxes Installation Manual and Operating Guidelines for Fiberglass Underground Storage Tanks in effect at time of installation.

Long form:

Part I: General

1.01 Quality Assurance

A. Acceptable Manufacturer: Xerxes Corporation

B. Governing Standards, as applicable:

1. Underwriters Laboratories (UL) Standard for Safety 1316 Glass-Fiber-Reinforced Plastic Underground Storage Tanks for Petroleum Products, Alcohols, and Alcohol-Gasoline Mixtures. A UL label shall be attached to each tank.
2. National Fire Protection Association (NFPA) Standards: NFPA 30: Flammable and Combustible Liquids Code, NFPA 30A: Code for Motor Fuel Dispensing Facilities and Repair Garages, NFPA 31: Standard for the Installation of Oil-Burning Equipment.
3. City of New York Department of Buildings M.E.A., #161-89-M.
4. American Concrete Institute (ACI) standard ACI 318-11, Building Code Requirements for Structural Concrete.

C. Submittals

1. Contractor shall submit ____ copies of shop drawings, manufacturer's product brochures, Installation Instructions and calibration charts.

Part II: Products

2.01 Double-Wall and Triple-Wall Fiberglass Reinforced Plastic (FRP) Underground Storage Tanks:

A. Loading Conditions – Tank shall meet these design criteria:

1. **Interstitial Pressure** – The interstitial space of the tank shall withstand a minimum 20-psig pressure test.
2. **Internal Load** – Tank shall withstand a 5-psig air-pressure test with a 5:1 safety factor.
3. **Surface Loads** – Tank shall withstand surface H-20 and HS-20 axle loads when properly installed according to Xerxes' current Installation Manual and Operating Guidelines.
4. **External Hydrostatic Pressure** – Tank shall be designed for 7' of overburden over the top of the tank, the hole fully flooded and a safety factor of 5:1 against general buckling.

B. Product Storage:

1. The primary compartment of double-wall and triple-wall tanks shall be vented and operated at atmospheric pressure only.
2. Tank shall be capable of storing liquids with a specific gravity up to 1.1.
3. Tank shall be capable of storing products identified in the manufacturer's standard limited warranty in effect at the time of purchase.

C. Materials:

1. The primary and secondary walls of the tank shall be manufactured with 100% premium resin and glass-fiber reinforcement. No sand or silica fillers shall be added to the resin.
2. The interstitial space between the primary and secondary walls shall be constructed with a glass reinforcement material such as Parabeam®, which provides a structural bond between the two tank walls, while creating a defined interstice that allows for free flow of liquid.

D. Tank Dimensions (Refer to Xerxes literature on gallonage):

1. Tank shall have nominal capacity of ____ gallons.
2. Tank shall have nominal outside diameter of ____ feet.
3. Tank shall have a nominal overall length of ____ feet/inches.

2.02 Tank Monitoring System

A. General

1. Tank shall be continuously monitored with the TRUCHEK® hydrostatic leak monitoring system.
2. The continuous monitoring system shall include monitoring fluid factory-installed in the interstitial space and within a fiberglass tank-top mounted reservoir.
3. The monitoring system shall be recognized by the National Work Group on Leak Detection Evaluations (NWGLDE) as continuous leak detection and as a precision tank test.
4. The monitoring system shall be independently tested by a qualified third party and verified to be capable of detecting leaks as small as .05 gallons per hour when TRUCHEK tank-tightness test procedures are followed.

B. Design

1. The continuous monitoring system shall be designed to detect a leak in either the primary or secondary wall at all times, regardless of the water-table conditions at the installation site.
2. The interstice of the tank shall be designed for a 5:1 safety factor beyond normal hydrostatic operating pressure to ensure structural integrity and to prevent false leak alarms.

2.03 Accessories

A. Tank Anchoring

1. Anchor straps shall be as supplied by tank manufacturer and designed for a maximum load of 25,000 lbs.
2. Galvanized turnbuckles (two per anchor strap) shall be supplied by the tank manufacturer.
3. Prefabricated concrete anchors shall be supplied by the tank manufacturer, designed to the ACI 318-11 standard, manufactured with 4,000 psi concrete, and shall have adjustable anchor points.

B. Manways

1. The standard manway shall be flanged, 22" I.D. and complete with UL-listed gaskets, bolts and covers as shown on tank drawings.

C. Threaded Fittings

1. All threaded fittings shall be NPT half or full couplings, in 2", 4" or 6" diameters.
2. Fittings shall be installed on the tank-top centerline or in the cover of the manway as shown on the tank drawings.

D. Containment Collars & Sumps

1. The tank shall have factory-installed 42"-or 48"-diameter containment collars as shown on the tank drawings.
2. Containment sumps in 42"-or 48"-diameter, provided by the tank manufacturer and designed for mounting on the containment collars, shall be supplied as shown on the tank drawings.
3. UL-listed adhesive shall be provided by the tank manufacturer with each containment collar and sump.
4. Containment collars and sumps shall be UL-listed for use with the manufacturer's tank.
5. Containment collars and sumps shall be designed and supplied as a containment system. Only sumps provided by the manufacturer shall be allowed.

Part III: Testing and Installation

3.01 Testing

A. Testing – Tank shall be tested according to the Xerxes Installation Manual and Operating Guidelines in effect at time of installation.

3.02 Installation

A. Installation – Tank shall be installed according to the Xerxes Installation Manual and Operating Guidelines in effect at time of installation.

Part IV: Limited Warranty

4.01 Limited Warranty

A. Limited Warranty – Warranty shall be manufacturer's standard limited warranty in effect at time of purchase.

Xerxes Underground Double-Wall Tank Data

	Nominal Capacity (gallons)	Actual Capacity (gallons)	Tank Length (feet/inches)	Nominal Shipping Weights (lbs) (dry interstitial)	Nominal Shipping Weights (lbs) (wet interstitial)	Number of Anchor Straps Required
4-foot-diameter	600	602	7'-3 1/2"	800	1,000	2
	1,000	1,009	11'-7 1/2"	1,100	1,400	2
6-foot-diameter	2,500	2,324	13'-5 3/4"	1,700	2,300	2
	3,000	2,910	16'-4 1/4"	2,000	2,700	2
	4,000	3,789	20'-8"	2,500	3,200	2
	5,000	4,961	26'-5"	3,000	3,900	4
	6,000	5,840	30'-8 3/4"	3,500	4,400	4
8-foot-diameter	4,000	4,190	15'- 1/2"	2,200	3,000	2
	5,000	5,089	17'-8 1/2"	2,500	3,400	2
	6,000	6,044	20'-6 1/2"	2,900	3,800	2
	8,000	7,899	26'- 1/2"	3,500	4,600	4
	10,000	9,753	31'-6 1/2"	4,200	5,400	4
	12,000	11,608	37'- 1/2"	4,900	6,200	4
	15,000	14,881	46'- 9"	6,200	7,800	6
10-foot-diameter	10,000	10,420	21'-5 1/4"	3,800	5,100	4
	12,000	11,904	24'- 1/4"	4,300	5,700	4
	15,000	15,041	29'-5 3/4"	5,200	6,700	4
	20,000	19,782	37'-8 3/4"	6,600	8,300	6
	25,000	25,431	47'-6 3/4"	8,600	10,700	8
	30,000	30,172	55'-9 3/4"	10,100	12,400	10
	35,000	34,912	64'- 3/4"	11,700	14,400	12
	40,000	40,443	73'-8 1/4"	13,500	16,400	14

Notes:

1. Tank data for single-wall and multicompartment tank models is available at www.xerxes.com.
2. Actual height of the tank may be greater than the actual diameter due to fittings and accessories. Load height during shipping may vary due to tank placement on the shipping trailer.
3. Adding accessories to the tank may increase the tank weight.
4. If an overfill-protection device is installed in the tank, the actual capacity will be reduced.

North American Manufacturing Facilities



ZCL Manufacturing Facilities

Edmonton, AB
Drummondville, QC

Xerxes Manufacturing Facilities

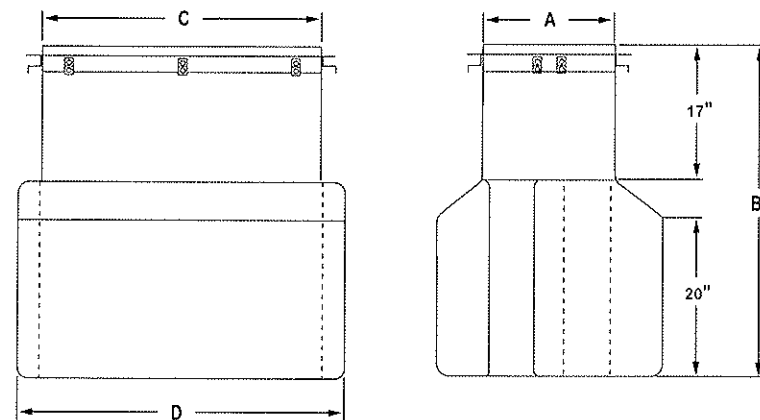
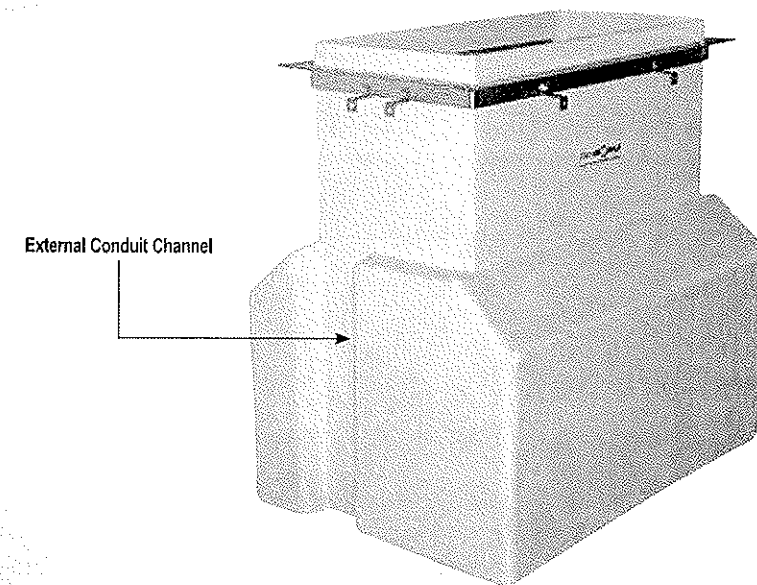
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Ordering Specifications* - Fiberglass Dispenser Sumps

Model #	A		B		C		D		Weight	
	in.	cm	in.	cm	in.	cm	in.	cm	lbs.	kg
FDS-4021	17	43	42	106	36	91	42	106	102	46.27
FDS-4319	15	38	42	106	39	99	39	99	107	48.53
FDS-4721	15	38	42	106	41	104	48	121	125	56.70

Refer to FlexWorks Dispenser Sump Selection Chart (See Pages 34 - 35 of this catalog) to select sumps for particular dispensers.

* All models are designed with conduit-less frames. All models have an external conduit channel.


Fiberglass Dispenser Sumps

FlexWorks Fiberglass Dispenser Sumps allow the supply piping to enter and/or exit out of the sidewall of the containment sump at a very low elevation. Ideal for pressure piping systems requiring indirect slope back to the tank.


Features & Benefits:

- ◆ **Structural Integrity** – engineered with thick side walls to withstand backfill and high water table forces.
- ◆ **Full Access Working Area** – frame is attached after plumbing is complete.
- ◆ All three models have an external conduit channel.

Ordering Specifications - FlexWorks Dispenser Sump Selection Chart

Dispenser Manufacturer & Model	Dispenser Footprint Dimensions		FlexWorks One-Piece Polyethylene Sump	FlexWorks Wide-Access Polyethylene Sump	FlexWorks One-Piece Polyethylene Pan	FlexWorks One-Piece Fiberglass Sump	FlexWorks Wide-Access Fiberglass Sump	Stabilizer Bar Kit
	in.	cm						
GILBARCO								
Commercial 625, 650, 684 Series (21" / 53" cm Frame)	15 ¹ / ₈ " x 21"	40 x 53	DS-1117F	DSW-1117F	DP-1117F	---	DSF-1117F	SBK-1100J
Salesmaker-2 Series (21" / 53 cm Frame)	15 ¹ / ₈ " x 21"	40 x 53	DS-1117F	DSW-1117F	DP-1117F	---	DSF-1117F	SBK-1100J
Highline 11B Series (21" Frame / 53 mm)	15 ¹ / ₈ " x 21"	40 x 53	DS-1117F	DSW-1117F		---	DSF-1117F	SBK-1100J
Highline 111B Series (27" / 69 cm Frame)	15 ¹ / ₈ " x 27"	40 x 53	DS-1123F	DSW-1123F	DP-1123F	---	DSF-1123F	SBK-1100J
Trimline 251, 252, 261, 262 (27" / 69 cm Frame)	15 ¹ / ₈ " x 27"	40 x 69	DS-1123F	DSW-1123F	DP-1123F	---	DSF-1123F	SBK-1100J
Trimline 154, 164, 251, 262 (27" / 69 cm Frame)	15 ¹ / ₈ " x 21"	40 x 69	DS-1117F	DSW-1117F		---	DSF-1117F	SBK-1100J
Commercial 650 Series (27" / 69 cm Frame)	15 ¹ / ₈ " x 27"	40 x 69	DS-1123F	DSW-1123F	DP-1123F	---	DSF-1123F	SBK-1100J
Highline Salesmaker Series	15 ¹ / ₈ " x 21"	40 x 69	DS-1117F	DSW-1117F	DP-1117F	---	DSF-1117F	SBK-1100J
Highline Salesmaker Series (27" / 69 cm Frame)	15 ¹ / ₈ " x 27"	40 x 69	DS-1123F	DSW-1123F	DP-1123F	---	DSF-1123F	SBK-1100J
Salesmaker-4 Series (27" / 69 cm Frame)	15 ¹ / ₈ " x 27"	40 x 69	DS-1123F	DSW-1123F	DP-1123F	---	DSF-1123F	SBK-1100J
Legacy Series	15 ¹ / ₈ " x 27"	40 x 69	DS-1123F	DSW-1123F	DP-1123F	---	DSF-1123F	SBK-1100J
Encore Series 	23 ¹ / ₂ " x 40 ¹ / ₈ "	60 x 103	DS-1836	DSW-1836 DSW-1836CL	DP-1836	FDS-4721	DSF-1836 DSF-1836C	SBK-1800**
Advantage (36" / 91 cm Frame Models)	21 ¹ / ₂ " x 36"	55 x 91	DS-1630	DSW-1630	DP-1630	---	DSF-1630	SBK-1600
Quad or Dual								
Blender X + O (36" / 91 cm)								
Advantage (48" / 122 cm Frame Models)	21 ¹ / ₂ " x 48"	55 x 122	DS-1642	DSW-1642	---	FDS-4021	DSF-1642	SBK-1600*
Blender Six-Hose						---		
Blender Single-Hose						---		
Blender X + O (48" / 122 cm) or X + 1 (48" / 122 cm)						---		
MPD-1, MPD-2, MPD-3	16" x 48"	41 x 122	DS-1036		---	---		SBK-1000J
MPD Fixed Blender	16" x 48"	41 x 122	DS-1036		---	---		SBK-1000J

BENNETT


Bennett Pacific 	19-1/2" x 43-1/2"	49 x 110	DS-1543A					SBK-1500A
Bennett 3000 Series	20" x 30"	51 x 76	DS-1123B					SBK-1100J

* For FDS-4721 Models, use Stabilizer Bar SBO-0300.
** For FDS-4021 Models, use Stabilizer Bar SBK-1800.

Ordering Specifications - FlexWorks Dispenser Sump Selection Chart

Dispenser Manufacturer & Model	Dispenser Footprint Dimensions		FlexWorks One-Piece Polyethylene Sump	FlexWorks Wide-Access Polyethylene Sump	FlexWorks One-Piece Polyethylene Pan	FlexWorks One-Piece Fiberglass Sump	FlexWorks Wide-Access Fiberglass Sump	Stabilizer Bar Kit
	in.	cm						
GASBOY								
0215A, 216A (19-7/8" Frame / 50.5 mm)	17¼" x 19¼"	49 x 50.5	DS-1117F	DSW-1117F	DP-1117F	----	DSF-1117F	SBK-1100J
52 and 53 Series	17 x 19¼"	44 x 50.5	DS-1117F	DSW-1117F	DP-1117F	----	DSF-1117F	SBK-1100J
8700, 8800, 9100, 9800 Series	17½" x 25"	44 x 63.5	DS-1120		----	----		SBK-1100J
25" Frame 63.5 mm	17¼" x 25"	44 x 63.5				----		
8700, 8800, 9100, 9800 Series (28-1/4" Frame / 72 mm)	17½" x 28"	44 x 71	DS-1123	DSW-1123	DP-1123	----	DSF-1123F	SBK-1100J
9850A	15¾" x 21"	40 x 69	DS-1120	DSW-1120	----	----	DSF-1120	SBK-1100J

* Stabilizer bar is installed widthwise in dispenser sump

DRESSER / WAYNE								
350, 357, 358, 360, 370 Series	15" x 25½"	30 x 66	DS-1123F	DSW-1123F	DP-1123F	----	DSF-1123F	SBK-1100J
Vista 380 Series (387, 389)	20" x 35"	51 x 89	DS-1229	DSW-1229	----	----	DSF-1229	SBK-1200J
Vista 590 Series (590, 595)	20" x 48"	51 x 122	DS-1242	DSW-1242	----	----	DSF-1242	SBK-1200J
Vista 390 Series (395, 399)	20" x 48"	51 x 122	DS-1242	DSW-1242	----	----	DSF-1242	SBK-1200J
Vista 490 Series	20" x 48"	51 x 122	DS-1242	DSW-1242	----	----	DSF-1242	SBK-1200J
DL390, 395, 399 Series	20" x 48"	51 x 122	DS-1242	DSW-1242	----	----	DSF-1242	SBK-1200J
HS1 Satellite / 287 Series	20" x 35"	51 x 89	DS-1229	DSW-1229	----	----	DSF-1229	SBK-1200J
Ovation	19½" x 43½"	50 x 110	DS-1543A**	DSW-1543 DSW-1643C	----	FDS-4319*	DSF-1543 DSF-1543C	SBK-1500**
Select 	19½" x 32½"	49 x 82	DS-1928***	DSW-1630	----	----	DSF-1630	SBK-1600***
Global Century	19½" x 32½"	49 x 82	DS-1928***	DSW-1630	----	----	DSF-1630	SBK-1600***
Reliance	19½" x 32½"	49 x 82	DS-1928***	DSW-1630	----	----	DSF-1630	SBK-1600***
HS3 / Vista	19½" x 32½"	49 x 82	DS-1630	DSW-1630	DP-1630	----	DSF-1630	SBK-1600

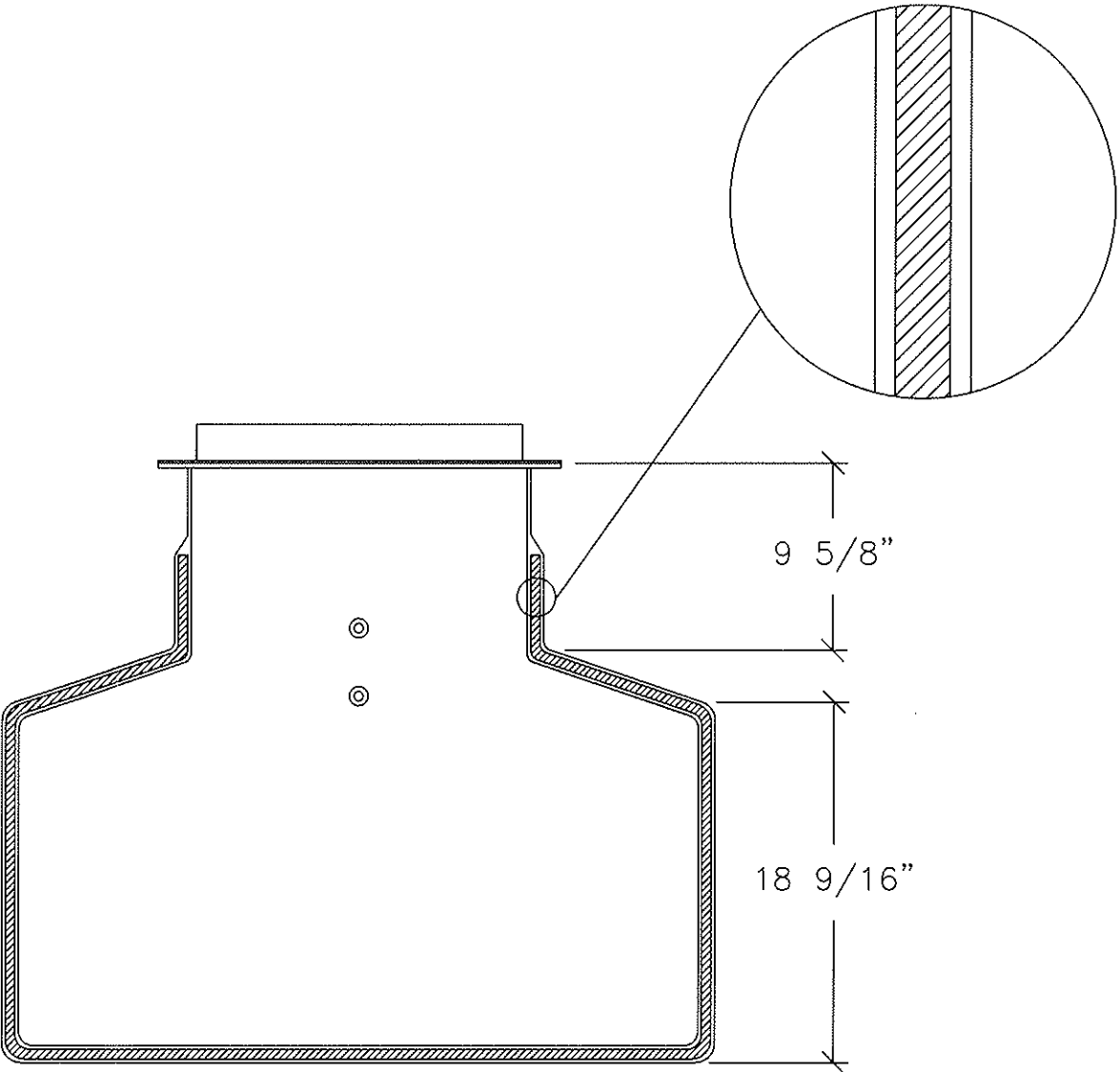
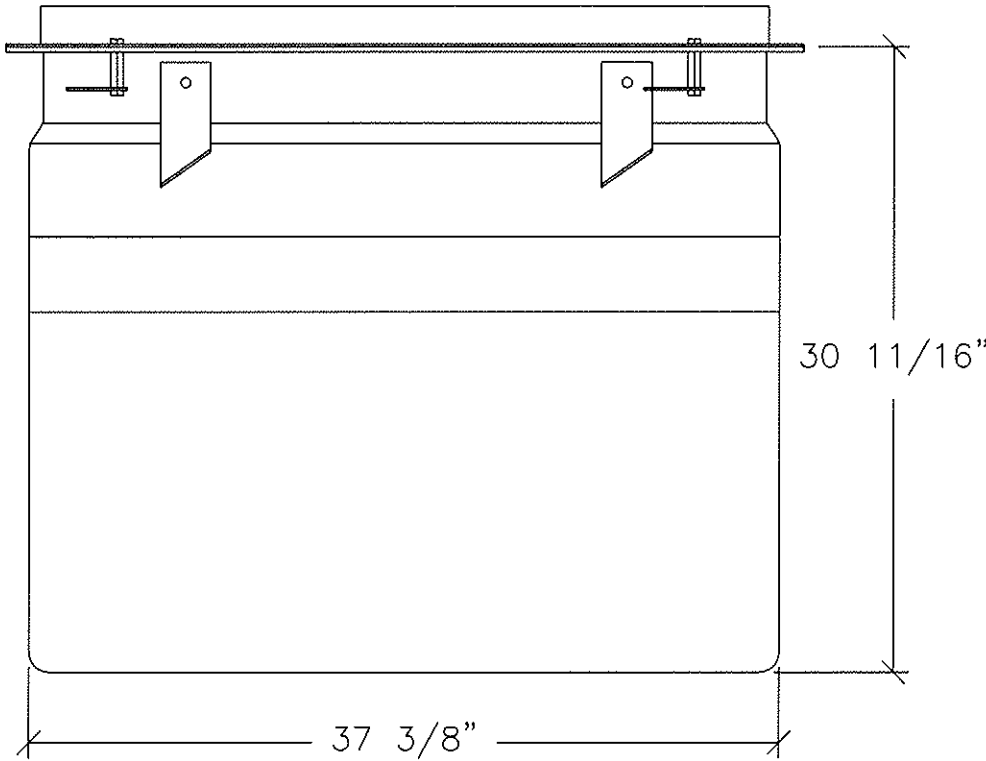
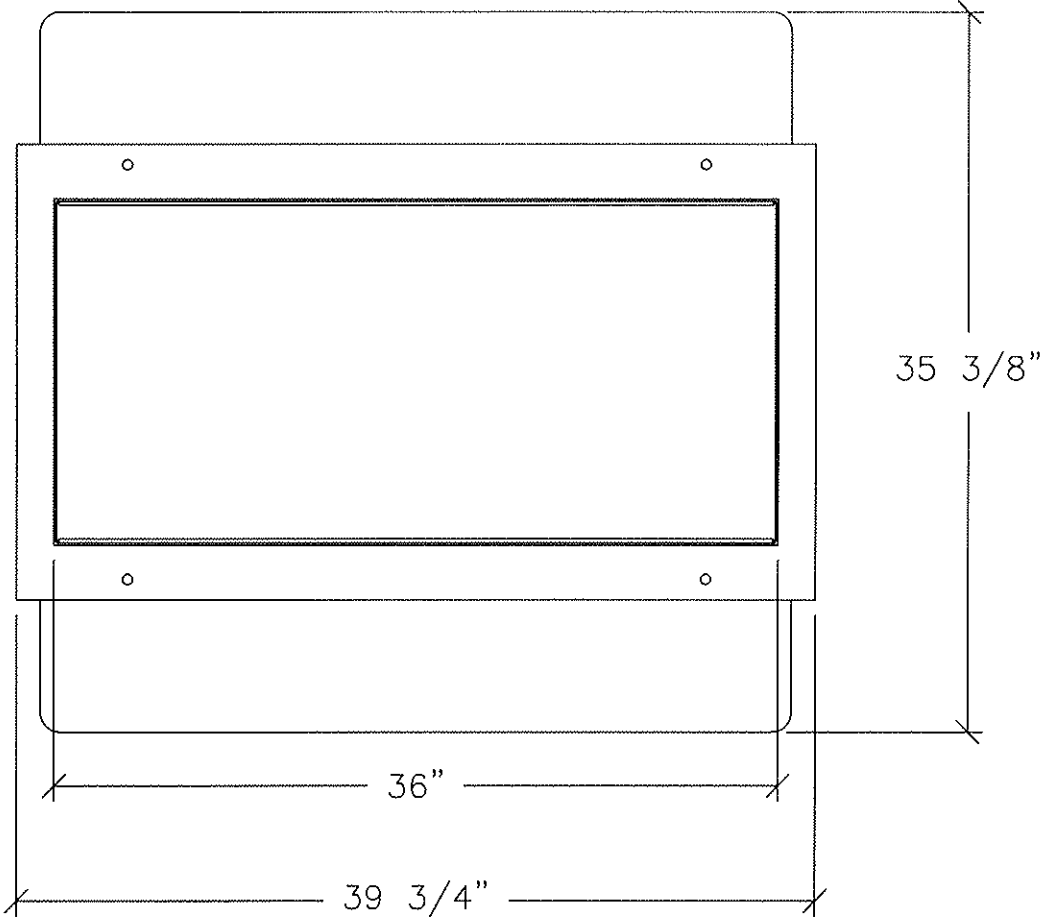
TOKHEIM								
1200, 1248, 1250 Series	17¼" x 25"	44 x 64	DS-1120	DSW-1120	----	----	DSF-1120	SBK-1100J
330B, 333B Series	17¼" x 44"	44 x 112	DS-1642	DSW-1642	----	----	DSF-1642	SBK-1600

* For FDS-4319 Model use Stabilizer Bar SBO-0250
** For DS-1543A Model use Stabilizer Bar SBK-1500A; for DSF/DSW-1543 Models use Stabilizer Bar SBK-1500
*** For DS-1928 Model use Stabilizer Bar SBK-1500A; for DSF/DSW-1630 Models use Stabilizer Bar SBK-1600

REVISIONS			
REV	DESCRIPTION	DATE	APPROVED

GENERAL NOTES & SPECIFICATIONS

- 1. MATERIAL: POLYESTER BASED ISOTHALIC RESIN W/ GLASS REINFORCEMENT
- 2. RESIN TO BE CHEMICALLY COMPATIBLE W GASOLINE & ALCOHOL BLEND FUELS.
- 3. PERCENTAGE ON PART WEIGHT TO BE GLASS: 33% MIN
- 4. INNER AND OUTER WALL THICKNESS TO BE A MINIMUM OF .187
- 5. COLOR: SPRINGTIME GREEN
- 6. ALL PARTS TO BE HYDROSTATICALLY TESTED TO CHECK FOR WATER TIGHTNESS.
- 7. FRAMED BY VENDOR.



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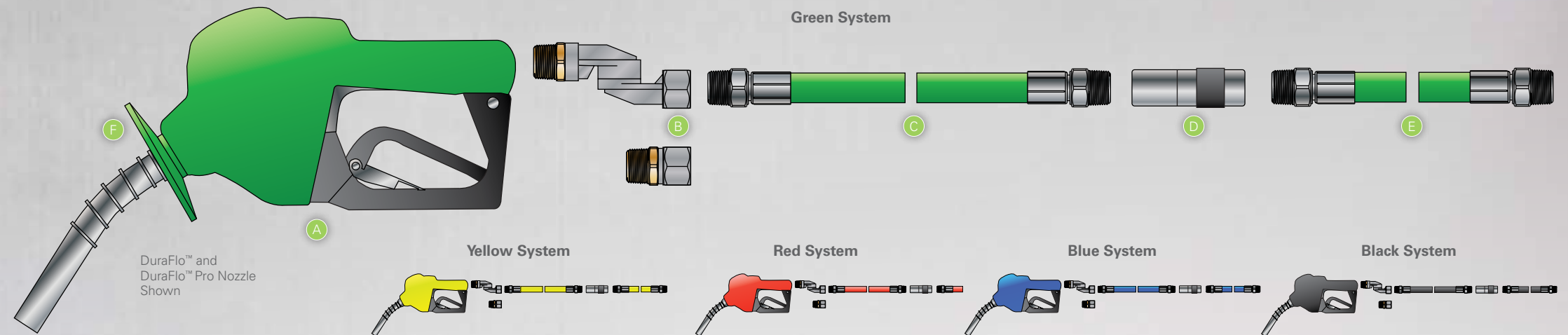
OPW
FUELING CONTAINMENT SYSTEMS

FIBERGLASS DISPENSER SUMP
FDS-4021-DW

SIZE: D CAD FILE: Some as Drawing Number DWG NO. FDS-4021-DW REV: —
SCALE: 1:1 MATERIAL: NOTED SHEET: SHT-1

HANGING HARDWARE SYSTEMS

From dispenser outlet to nozzle, there is a FLEX-ING™ solution for virtually any application.



OPTIONS

A Nozzle

DuraFLO™ and DuraFLO™ Pro Nozzles

Lightweight, automatic nozzles ideal for full and self service locations. For gasoline, 10% Ethanol blends, and diesel.

DURAFLO A - B - C - D

DURAFLO = DuraFlo™ Gas Nozzle

A = Pressure Activated Option

Blank = DuraFlo™ nozzle

PA = DuraFlo™ Pro pressure activated nozzle

B = Inlet Options

N = ¾" NPT T = ¾" BSPT

P = ¾" BSPP

C = Scuff guard Color Options

RD = Red BK = Black

GR = Green YL = Yellow

BL = Blue

D = Spout Options

L = 15/16" leaded (diesel)

U = 13/16" unleaded

Example:

DURAFLOPA-N-RD-L =

DuraFlo™ Pro pressure activated gasoline nozzle, ¾" NPT inlet, red scuff guard, 15/16" leaded (diesel) spout.

DURAMAX™ High Flow Diesel Nozzles

High flow, automatic nozzles ideal for high volume truck stops and for fast fueling at fleet terminal operations.

DURAMAX A - B

DURAMAX = DuraMax™ High Flow Diesel Nozzle

A = Inlet Options

N = 1" NPT T = 1" BSPT

P = 1" BSPP

B = Scuff guard Color Options

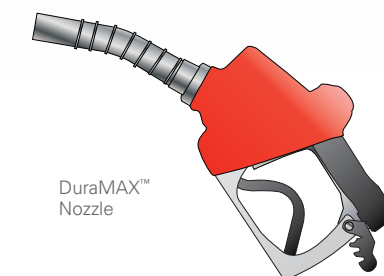
RD = Red BK = Black

GR = Green YL = Yellow

Example:

DURAMAX-N-RD =

DuraMax™ high flow diesel nozzle, 1" NPT inlet, red scuff guard.



DuraMAX™ Nozzle

B Multi- and Single-Plane Swivels

Description	¾" x ¾" Model	1" x ¾" Model
Multi-Plane Swivel NPT	MPS3434-N	MPS1034-N
Multi-Plane Swivel BSPP	MPS3434-P	MPS1034-P
Multi-Plane Swivel BSPT	MPS3434-T	MPS1034-T
Single-Plane Swivel NPT	SWVL34-N	SWVL10-N
Single-Plane Swivel BSPP	SWVL34-P	SWVL10-P
Single-Plane Swivel BSPT	SWVL34-T	SWVL10-T

C FLEX-ON™ Hardwall Curb Hose

FLHFR A B C D E

FLHFR = FLEX-ON™ Hardwall Hose

A = Hose Diameter

1 = 5/8"
2 = ¾"
3 = 1"

B = Hose Length Feet

Use three-digit format

C = Hose length Inches

Use two-digit format

D = Hose Color Options

RD = Red Blank = Black
GR = Green YL = Yellow
BL = Blue

E = Swivel Options

Blank = No Swivels
SWOE = Swivel on one end
SWEE = Swivel on both ends

Example:

FLHFR200806YLSWOE =
FLEX-ON™ Hardwall Hose, ¾" diameter,
8 feet 6 inches length, yellow color,
swivel on one end.

D ACCUBREAK™ & Safety-Sever™ Break Aways

Description	Model
ACCUBREAK™ ¾" Break Away NPT	BRK34-N
ACCUBREAK™ ¾" Break Away BSPP	BRK34-P
ACCUBREAK™ ¾" Break Away BSPT	BRK34-T
Safety-Sever™ 1" Break Away NPT	797-225-01

E FLEX-ON™ Hardwall Safety Break Hose

FLHFR A B C D E

FLHFR = FLEX-ON™ Safety Break Hose

A = Hose Diameter

1 = 5/8"
2 = ¾"
3 = 1"

B = Hose Length Feet

Use three-digit format

C = Hose length Inches

Use two-digit format

D = Hose Color Options

RD = Red Blank = Black
GR = Green YL = Yellow
BL = Blue

E = Swivel Options

Blank = No Swivels
SWOE = Swivel on one end
SWEE = Swivel on both ends

Example:

FLHFR200009YLSWOE =
FLEX-ON™ Hardwall Safety Break
Hose, ¾" diameter, 0 feet 9 inches
length, yellow color, swivel on one end.

F Splash Guards

Desc.	Model
¾" Red	DURASG-RD
¾" Green	DURASG-GR
¾" Blue	DURASG-BL
¾" Black	DURASG-BK
¾" Yellow	DURASG-YL

THE TOTAL SYSTEM SOLUTION

CONVENTIONAL HANGING HARDWARE SITE STARTER

Use these diagrams to help you build your ¾" and 1" conventional hanging hardware systems.

IMPORTANT NOTES

- DuraFlo™ Pro and DuraMax™ Pro nozzles have a pressure activated secondary shut off that prevents the fuel flow until the pumping system is operating and will automatically close when the pump is turned off, making them ideal for prepay locations.
- DuraFlo™ and DuraFlo™ Pro nozzles feature a one hand hold open clip with patented "Kicker" which provides positive clip release with automatic shut off.

Ordering Specifications

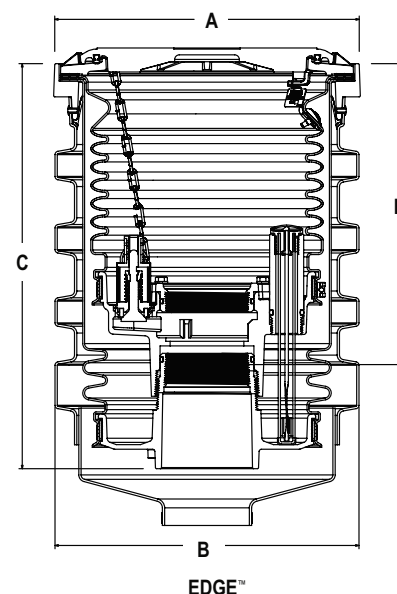
The Edge™ Models

Model #	Description
1C-3112D	The EDGE™ DW Spill Container, 5 gallon capacity, with Cast Iron Cover, Float Gauge and Drain Valve
1C-3112P	The EDGE™ DW Spill Container, 5 gallon capacity, with Cast Iron Cover, Float Gauge and Drain Plug
1C-3122D	The EDGE™ DW Spill Container, 5 gallon capacity, with Cast Iron Cover, Electronic Sensor Access Port Only and Drain Valve
1C-3122P	The EDGE™ DW Spill Container, 5 gallon capacity, with Cast Iron Cover, Electronic Sensor Access Port Only and Drain Plug
1C-3132D	The EDGE™ DW Spill Container, 5 gallon capacity, with Cast Iron Cover, Electronic Sensor Access Port, OPW Electronic Sensor and Drain Valve
1C-3132P	The EDGE™ DW Spill Container, 5 gallon capacity, with Cast Iron Cover, Electronic Sensor Access Port, OPW Electronic Sensor and Drain Plug
1C-31512D	The EDGE™ DW Spill Container, 15 gallon capacity, with Cast Iron Cover, Float Gauge and Drain Valve.
1C-31512P	The EDGE™ DW Spill Container, 15 gallon capacity, with Cast Iron Cover, Float Gauge and Drain Plug.

Note: Any Model can be purchased with a sealable cover option by using part number 1SC-XXXXD or 1SC-XXXXP.

Installation Tools & Testing Equipment

1-3100-TOOL	Installation Tool for the EDGE™ DW Spill Container
DW-VAC-TEST	Double-Wall Vacuum Tester



Dimensions

	in.	cm
A	16 5/8	42
B	16 19/32	42
C	22 1/8	56
D	16 7/16	42

EDGE™ Replacement Cartridge Kit

Product Number	Original Product Description	Primary Replacement Kit	Secondary Replacement Kit	Primary and Secondary Replacement Kit / EDGE 1 Upgrade Kit
1C-3112D / 1SC-3112D	DW EDGE™: Drain Valve + Gauge	202135-KIT	202137-KIT	202135-KIT + 202137-KIT + 206016
1C-3112P / 1SC-3112P	DW EDGE™: Plug and Gauge	202136-KIT	202137-KIT	202136-KIT + 202137-KIT + 206016
1C-3122D / 1SC-3122D	DW EDGE™: Drain Valve and Sensor Access Port	202135-KIT	206010-KIT	202135-KIT + 206010-KIT + 206017
1C-3122P / 1SC-3122P	DW EDGE™: Plug and Sensor Access Port	202136-KIT	206010-KIT	202136-KIT + 206010-KIT + 206017
1C-3132D / 1SC-3132D	DW EDGE™: Drain Valve and Electronic Sensor	202135-KIT	206011-KIT	202135-KIT + 206011-KIT + 206017
1C-3132P / 1SC-3132P	DW EDGE™: Plug and Electronic Sensor	202136-KIT	206011-KIT	202136-KIT + 206011-KIT + 206017
1C-3101D / 1SC-3101D	EDGE™ 1: Drain Valve	203193-KIT		
1C-3101P / 1SC-3101P	EDGE™ 1: Plug	203194-KIT		

Replacement Parts/Accessories

Part #	Description	Part #	Description	Part #	Description
1-21CC	1C Cover Iron	201689	Mounting ring seal	202013	O-ring, Visigauge
1021AC	1C Cover Aluminum	201530	Snow-plow ring	202137	Secondary bucket sub assembly
203035	Sealable Cover Ring	201692	O-ring, nipple adaptor	1-21CC	Cover
SC-xxxx (xxxx = color) Sealable Cover		201971	Visigauge	H12229M	Cover seal
206016	Float Gauge S/A	201972	O-ring, Visigauge adaptor	1DK-2100-EVR	Drain valve sub assembly
206017	Sensor Adaptor S/A (Primary)				